

## Acceptance Testing UAT Execution & Report Submission

Date	18 FEB 2026
Team ID	LTVIP2026TMIDS87433
Project Name	Rain Prediction Pipeline Flask
Maximum Marks	4 Marks

### 1. Purpose of Document

The purpose of this document is to explain the test coverage and identified issues of the **Rainfall Prediction System** at the time of release for User Acceptance Testing (UAT).

The application allows users to input weather parameters and receive rainfall prediction results generated using a trained machine learning model deployed through Flask.

### 2. Defect Analysis

This report shows the number of resolved or closed bugs at each severity level, and how they were resolved

Resolution	Severity 1 (High)	Severity 2 (Medium)	Severity 3 (Low)	Subtotal
Fixed	0	1	1	2
Not Reproduced	0	0	0	0
Won't Fix	0	5	0	0
Totals	0	1	1	2

Defect Details:

#### Bug 1 (Severity 2 – Medium)

Issue: Application crashed when submitting empty input fields.

Resolution: Added input validation before model prediction.

Status: Fixed

#### Bug 2 (Severity 3 – Low)

Issue: First prediction response was slightly slow during model loading. Resolution: Model preloaded during app initialization.

Status: Fixed

No critical defects found.

### 3. Test Case Analysis

This report shows the number of test cases that have passed, failed, and untested

SECTION	TOTAL CASES	NOT TESTED	FAIL	PASS
WEB INTERFACE	3	0	0	3
INPUT VALIDATION	2	0	0	2
PREDICTION ENGINE	3	0	0	3
RESULT DISPLAY	2	0	0	2
ERROR HANDLING	2	0	0	2
TOTAL	12	0	0	12